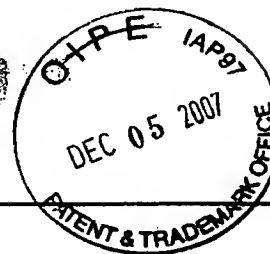


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(WO/2004/088037) PAPER- OR CARDBOARD-BASED SECURITY PRODUCT

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Abstract: A paper- or cardboard-based security product and a method of manufacturing it. The product comprises a paper or a cardboard which is equipped with an identifiable security symbol. According to the present invention, the security symbol comprises a layer in the product, one which consists of a synthetic, electrically conductive polymer, the conductivity of which has been changed locally to form an electrically conductive or, alternatively, electrically non-conductive figure. Furthermore, a figure indicating the security symbol has been fitted on the surface of the paper or the cardboard product. A security product according to the present invention can be produced simply by first applying a conductive polymer, for instance in a non-conductive form, onto a paper, after which an acidic figure is printed in such a way that the area below the figure becomes conductive. The figure can be detected and in this way it acts as a guarantee of authenticity for the product.

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